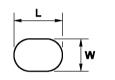
BASE TABLE					
ADAPTOR TYPE	ANCHOR BOLT (IN)	BOLT CIRCLE DIAMETER (IN) "BC"	EXISTING BASE TYPE	LUMINAIRE HEIGHT (±2'-6")	
A-1	1"	11"	WELDED PLATE	3>	
A-2	1"	12 1/4"	CAST ALUMINUM	3>	
A-3	1"	12 3/4"	STEEL TRANSFORMER	3>	
A-4	1 1/8"	14 1/8"	2-PC. ALUM. CLAMP	4	
A-5	1 1/4"	14 1/8"	2-PC. ALUM. CLAMP	40'	

- 1 USE MATCHING DIAMETER FOR THREADED STUDS.
- (2) CONTRACTOR SHALL VERIFY BOLT CIRCLE "BC" IN THE FIELD BEFORE ORDERING. IF "BC" OR ANCHOR BOLT SIZES DIFFER FROM THOSE LISTED, CONTACT HQ BRIDGE AND STRUCTURES OFFICE.

LUMINAIRE ARM

TOP VIEW

- $\stackrel{\textstyle \textcircled{3}}{35}$ 40' (FT) LUMINAIRE W/ 1 x 16' (FT) (MAX.) MAST ARM OR 35' (FT) LUMINAIRE W/ 2 x 16' (FT) MAST ARMS.
- 50' (FT) LUMINAIRE W/ 1 x 16' (FT) (MAX.) MAST ARM OR 40' (FT) LUMINAIRE W/ 2 x 16' (FT) MAST ARMS TOTAL WEIGHT 1000 LBS (MAX.).



ANCHOR PLATE SLOT DETAIL

ANCHOR PLATE SLOT TABLE				
ANCHOR	SIZE			
BOLT DIAMETER (IN)	W (IN)	L (IN)		
1"	1 1/4"	2"		
1 1/8"	1 1/4"	2"		
1 1/4"	1 1/2"	2 1/4"		

BOLT CIRCLE "BC" ~

(2) (TYP. OF FOUR

5" (IN) DIAM. HOLE

21" (IN) R. (TÝP.)

SEE BASE TABLE

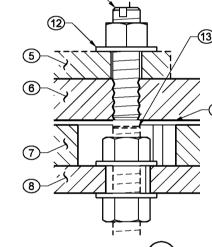
6)

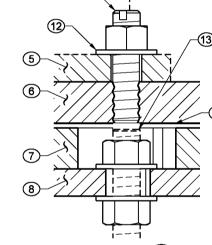
1/2" (IN) R.

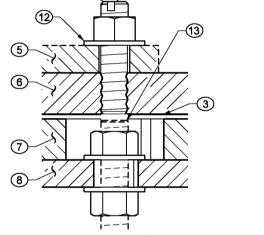
(TÝP.)

FLAT EDGE FACING TRAFFIC

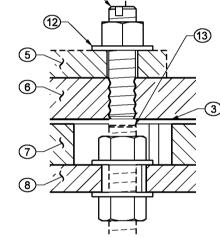
PLACES)







Α



DETAIL

1' - 8" DIAM.

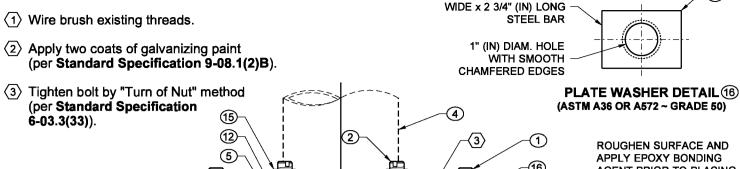
BOLT CIRCLE

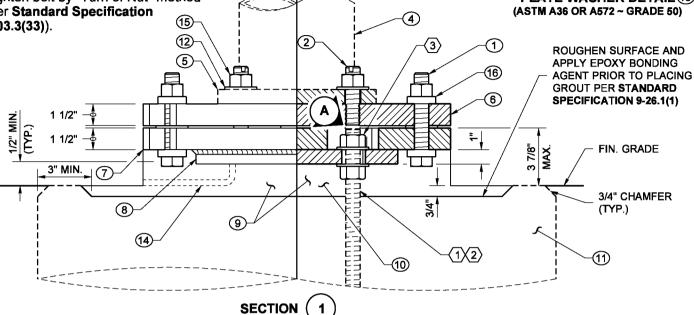
(TYP. OF FOUR

PLACES)

(3) Tighten bolt by "Turn of Nut" method (per Standard Specification

CONSTRUCTION NOTES





KEY

CLAMPING BOLTS, 7/8" (IN) DIAM. HEX HEAD BOLT AND NUT, TWO PLATE WASHERS, ONE HARDENED ROUND WASHER, 87 FT-LBS TORQUE (THREE CLAMPING BOLT ASSEMBLIES PER SLIP BASE) (PER ASTM A325)

1/2" (IN) THICK x 2" (IN)

- 2 THREADED SLOTTED STUD ~ SEE BASE TABLE FOR DIAMETER, HARDENED WASHER, AND HEAVY HEX NUT (FOUR PER BASE PLATE) ~ INSERT STUD AND CENTER PUNCH AT BOTTOM PERIPHERY TO LOCK TAPPED STUD IN PLACE PRIOR TO GALVANIZING (PER ASTM F1554 ~ GRADE 105)
- (3) KEEPER PLATE ~ 0.0149" (IN) 28 GAGE PLATE (PER ASTM A653 ~ COATING DESIGNATION G90)
- (4) POLE WALL (EXISTING)

NOTES

- 1. The purpose of this plan is to provide the details for retrofitting a 4-bolt frangible base with a slip base assembly.
- 2. Existing anchor bolts shall be inspected for corrosion, thread damage, and galvanizing. To minimize galvanic corrosion between dissimilar metals, ensure galvanizing remains intact while installing aluminum luminaire.
- 3. After bolting the bottom slip plate assembly to the foundation, fill the slotted bolt holes with mastic per Standard Specification 9-08.7.
- Grade around the foundation to ensure the stub height does not exceed 3 7/8" (in). For grading requirements, see Standard Plan J-28.22.
- 5. Removal of the frangible base from the existing base plate is required.
- 6. Misaligned anchor bolts shall be removed and replaced.
- 7. This adaptor shall be used only on luminaire poles that contain a handhole. Replace standards and foundation when the handhole is located in the frangible base.
- 8. Galvanize the anchor plate, bottom slip plate, and top slip plate after fabrication according to ASTM A123.
- 9. Galvanize all hardware according to ASTM F2329.
- (5) POLE BASE PLATE (EXISTING)
- (6) TOP SLIP PLATE (PER ASTM A36)
- (7) BOTTOM SLIP PLATE (PER ASTM A36)
- (8) ANCHOR PLATE (PER ASTM A36)
- (9) REMOVE GROUT (EXISTING WITH DRAIN)
- (10) NEW GROUT PAD WITH DRAIN
- (11) FOUNDATION (EXISTING)
- 12 HARDENED WASHER (PER ASTM

- (13) ANCHOR BOLT (EXISTING) ~ TRIM TO CLEAR SLIP PLATE BY 1/8" (IN) MIN.
- 3/8" (IN) DIAM DRAIN TUBE (PER STANDARD SPECIFICATION 9-29.2(3))
- HEAVY HEX NUT (TYP.) (PER ASTM A563 ~ GRADE DH)
- (16) PLATE WASHER

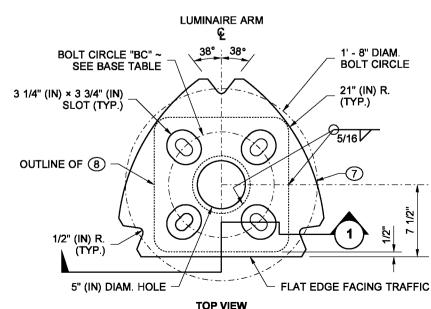


SLIP BASE ADAPTOR FOR 4-BOLT LIGHT STANDARD BASE STANDARD PLAN J-28.43-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER



10" (IN) DIAM. HOLE **TOP VIEW KEEPER PLATE (3)**

BOLT CIRCLE

BASE TABLE

TOP VIEW

1 1/8" (IN) DIAM. HOLE (TYP.) ~

EQUALLY SPACÉD

ANCHOR PLATE (8)

LUMINAIRE ARM

6" (IN) DIAM. HOLE

SEE SLOT

1 1/2" (IN) R.

1" (TYP.)

- 8" DIAM.

BOLT CIRCLE

DETAIL

TOP SLIP PLATE (6)

TAPPED HOLES EQUALLY SPACED

FOR THREADED STUDS

BOTTOM SLIP PLATE (7)